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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/757,673
				Filing Date	January 10, 2001
				First Named Inventor	James M. Wilson et al
				Group Art Unit	1632
				Examiner Name	J. Martin — R. Shulda
Sheet	1	of	11	Attorney Docket Number	GNVPN.019B1USA

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
RRS	AA	5,139,941	A	N. Muzycka	08/18/1992	—
	AB	5,173,414	A	J. Lebkowski	12/22/1992	—
	AC	5,478,745	A	R. Samulski	12/26/1995	—
	AD	5,753,500	A	T. Shenk	05/19/1998	—
RRS	AE	5,252,479	A	A. Srivastava	10/12/1993	—

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
RRS	AL	WO	WO96/00587	A R. Samulski w, po	01/11/1996	—	
	AM	WO	WO95/34670	A P. Johnson w, po	12/21/1995	—	
	AN	WO	WO95/33824	A L. Alexander w, po	12/14/1995	—	
↓	AO	WO	WO95/28493	A M. Kaplitt w, po	10/26/1995	—	
RRS	AP	WO	WO95/23867	A P. Deneffe w, po	09/08/1995	—	

Examiner Signature	RRS	Date Considered	11/19/01
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RRS	AF	5,354,678	A	J. Lebkowski	10/11/1994	_____
✓	AG	5,436,146	A	T. Shenk	07/25/1995	_____
✓	AH	5,474,935	A	S. Chatterjee	12/12/1995	_____
↓	AI	5,858,351	A	G. Podskoff	01/12/1999	_____
RRS	AJ	5,789,390	A	V. Descamps	08/04/1998	_____

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RRS	AQ	WO	WO95/20671	A V. Descamps WIPO	08/03/1995	_____
✓	AAL	WO	WO95/14771	A R. Kotin WIPO	06/01/1995	_____
✓	AAM	WO	WO95/13392	A J. Trempe WIPO	05/18/1995	_____
✓	AAN	WO	WO95/07995	A R. Philip WIPO	03/23/1995	_____
RRS	AAO	WO	WO95/06743	A J. Dong WIPO	03/09/1995	_____

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RRS	AK	5,116,739	A	Y. Teranishi	05/26/1992	✓
✓	AAA	5,672,685	A	W. Matthew	09/30/1997	_____
✓	AAB	5,693,531	A	Chiorini	12/02/1997	_____
✓	AAC	6,093,392	A	K. High	07/25/2000	_____
RRS	AAD	5,585,254	A	I. Maxwell	12/17/1996	_____

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
RRS	AAP	WO	WO94/20517	A	J. Glorioso WIPO	09/15/1994	_____	✓
✓	AAQ	WO	WO93/24641	A	B. Carte WIPO	12/09/1993	_____	✓
✓	BL	WO	WO91/18088	A	S. Chatterjee WIPO	11/28/1991	_____	✓
✓	BM	WO	WO96/18727	A	G. Natsoulis WIPO	06/20/1996	_____	✓
RRS	BN	WO	WO96/12010	A	C. Holscher WIPO	04/25/1996	_____	✓

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RPS	AAE	5,866,552	A	J. Wilson	02/02/1999	_____

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		Office ³	Number ⁴				
RPS	BO	WO	WO96/17947	A J. Allen w.PO	06/13/1996	_____	
↓	BP	WO	WO97/26337	A G. Podskoff w.PO	08/24/1997	_____	
↓	BQ	WO	WO96/40272	A X. Xiao w.PO	12/19/1996	_____	
↓	BBL	WO	WO97/26336	A G. Podskoff w.PO	07/24/1997	_____	
RPS	BBM	WO	WO94/13788	A R. Samulski w.PO	06/23/1994	_____	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
RRS	BBN	WO	WO97/12050	A	M. Kaplitt w1P0	04/03/1997	_____	
RRS	BBO	AU	27902/92	A	M. Perricaudet ^{Australia}	04/27/1993	_____	
RRS	BBP	WO	WO96/14837	A	A. McClelland w1P0	05/23/1996	_____	

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Sheet	6	of	11	Attorney Docket Number	GNVPN.019B1USA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS					
Examiners Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
RRS	AR	D. COOVERT et al, "Gene Therapy for Muscle Diseases", Current Opinion in Neurology, 7:463-470 (1994)			
	AS	R. HERZOG et al, "Stable Gene Transfer and Expression of Human Blood Coagulation Factor IX After Intramuscular Injection of Recombinant Adeno-Associated Virus", Proc. Natl. Acad. Sci. USA, 94:5804-5809 (May, 1997)			
	AT	K. FISHER et al, "Recombinant Adeno-Associated Virus for Muscle Directed Gene Therapy", Nature Medicine, 3(3):306-312 (March, 1997) [Fisher I]			
	AU	P. KESSLER et al, "Gene Delivery to Skeletal Muscle Results in Sustained Expression and Systemic Delivery of a Therapeutic Protein", Proc. Natl. Acad. Sci. USA, 93:14082-14087 (November, 1996)			
	AV	D. RUSSELL et al, "Adeno-Associated Virus Vectors Preferentially Transduce Cells in S Phase", Proc. Natl. Acad. Sci. USA, 91:8915-8919 (September, 1994)			
	AW	J. WOLFF et al, "Direct Gene Transfer into Mouse Muscle in Vivo", Science, 247:1465-1468 (March 23, 1990)			
	AX	H. BLAU et al, "Localization of Muscle Gene Products in Nuclear Domains: Does this Constitute a Problem for Myoblast Therapy?", Adv. Exp. Med. Biol., 280:167-172 (1990)			
RRS	AY	N. MUZYCZKA, "Use of Adeno-Associated Virus as a General Transduction Vector for Mammalian Cells", Curr. Topics Microbiol. Immunol., 158:97-129 (1992)			

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T ²					
RPS	AZ	R. SAMULSKI et al, "Targeted Integration of Adeno-Associated Virus (AAV) into Human Chromosome 19", EMBO J., 10(12):3941-3950 (1991) [Samulski I]			
	AAR	R. KOTIN, "Prospects for the Use of Adeno-Associated Virus as a Vector for Human Gene Therapy", Human Gene Therapy, 5:793-801 (1994) [Kotin I]			
	AAS	R. KOTIN et al, "Site-Specific Integration by Adeno-Associated Virus", Proc. Natl. Acad. Sci. USA, 87:2211-2215 (March, 1990) [Kotin II]			
	AAT	K. FISHER et al, "Transduction with Recombinant Adeno-Associated Virus for Gene Therapy is Limited by Leading-Strand Synthesis", J. Virol., 70(1):520-532 (January, 1996) [Fisher II]			
	AAU	C. HODGSON, "Advances in Vector Systems for Gene Therapy", Exp. Opin. Ther. Patents, 5(5):459-468 (1995)			
	AAV	R. SAMULSKI et al, "Helper-Free Stocks of Recombinant Adeno-Associated Viruses: Normal Integration does not Require Viral Gene Expression", J. Virol., 63(9):3822-3828 (September, 1989) [Samulski II]			
RPS	AAW	M. WEITZMAN et al, "Recruitment of Wild-Type and Recombinant Adeno-Associated Virus into Adenovirus Replication Centers", J. Virol., 70(3):1845-1854 (March, 1996)			
	AAX	S. GOODMAN et al, "Recombinant Adeno-Associated Virus-Mediated Gene Transfer into Hematopoietic Progenitor Cells", Blood, 84(5):1492-1500 (September, 1994)			

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<i>RPS</i>	AAY	B. YAKOBSON et al, "Replication of Adeno-Associated Virus in Synchronized Cells without the Addition of a Helper Virus", J. Virol., 61(4):972-981 (April, 1987)			
	AAZ	E. KREMER et al, "Adenovirus and Adeno-Associated Virus Mediated Gene Transfer", British Medical Bulletin, 51(1):31-44 (1995)			
	BR	E. RAZ et al, "Systemic Immunological Effects of Cytokine Genes Injected into Skeletal Muscle", Proc. Natl. Acad. Sci. USA, 90:4523-4527 (May, 1993)			
	BS	K. CULVER et al, "Gene Therapy for Cancer", TIG, 10(5):174-178 (May, 1994)			
	BT	N. MILLER et al, "Targeted Vectors for Gene Therapy", FASEB J., 9:190-199 (February, 1995)			
	BU	E. MARSHALL, "Gene Therapy's Growing Pains", Science, 269:1050-1055 (August 25, 1995)			
	BV	M. KAPLITT et al, "Long-Term Gene Expression and Phenotypic Correction Using Adeno-Associated Virus Vectors in the Mammalian Brain", Nature Genetics, 8:148-154 (October, 1994)			
	BW	K. MARCH et al, "The Adeno-Associated Virus as a Gene Transfer Vector for Human and Non-Human Vascular Smooth Muscle Cells", Clinical Research, 40(2):358A (1992)			
<i>RPS</i>	BX	X. XIAO et al, "Efficient Long-Term Gene Transfer into Muscle Tissue of Immunocompetent Mice by Adeno-Associated Virus Vector", J. Virol., 70(11):8098-8108 (November, 1996) [Xiao I]			

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<i>RRS</i>	BY	X. XIAO et al, "Adeno-Associated Virus (AAV) Vectors for Gene Transfer", Advanced Drug Delivery Reviews, 12:201-215 (1993) [Xiao II]			
	BZ	S. ORKIN et al, "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy", NIH Press, pp. 1-40 (December 7, 1995)			
	BBR	A. LAFONT et al, "Which Gene for Which Restenosis?", The Lancet, 346:1442-1443 (December 2, 1995)			
	BBS	R. BARTLETT et al, "A Plasmid Expression Vector Based on the Adeno-Associated Virus (AAV) Containing Muscle-Specific Transcription Elements for Expression of Therapeutic Proteins", Amer. J. Human Genet., 57(Suppl. 4):A235 (October, 1995) (Abstract #1362)			
	BBT	M. EINERHAND et al, "Regulated High-Level Human β-globin Gene Expression in Erythroid Cells Following Recombinant Adeno-Associated Virus-Mediated Gene Transfer", Gene Therapy, 2(5):336-343 (July, 1995)			
	BBU	DIRK GRIMM et al, "Progress in Adeno-Associated Virus Type 2 Vector Production: Promises and Prospects for Clinical Use", Human Gene Therapy, 10:2445-2450 (October 10, 1999)			
<i>RRS</i>	BBV	RONALD G. CRYSTAL, "Transfer of Genes to Humans: Early Lessons and Obstacles to Success", Science, 270:404-410 (October 20, 1995)			

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RRS	BBW	SIHONG SONG et al, "Sustained Secretion of Human Alpha-1-Antitrypsin from Murine Muscle Transduced with Adeno-Associated Virus Vectors", Proc. Natl. Acad. Sci. USA, 95:14384-14388 (November, 1998)			
	BBX	W. FRENCH ANDERSON, "Human Gene Therapy", Nature, 392:25-30 (April 30, 1998)			
	BBY	P.E. MONAHAN et al, "AAV Vectors: Is Clinical Success on the Horizon?", Gene Therapy, 7:24-30 (2000)			
	BBZ	ROLAND W. HERZOG et al, "Adeno-Associated Virus-Mediated Gene Transfer of Factor IX for Treatment of Hemophilia B by Gene Therapy", Thrombosis and Haemostasis, 82(2):540-546 (1999)			
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	CS	B. FANG et al, "Gene Therapy for Hemophilia B: Host Immunosuppression Prolongs the Therapeutic Effect of Adenovirus-Mediated Factor IX Expression", Human Gene Therapy, 6:1039-1044 (August, 1995)			
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RRS	CU	VIKRAM S. KASHYAP et al, "Apolipoprotein E Deficiency in Mice: Gene Replacement and Prevention of Atherosclerosis Using Adenovirus Vectors", J. Clin. Invest., 96:1612-1620 (September, 1995)			

Examiner Signature	RRS	Date Considered	11/19/01
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PTO/SB/08B (08-00)

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
				Application Number	09/757,673
				Filing Date	January 10, 2001
				First Named Inventor	James M. Wilson et al
				Group Art Unit	1632
				Examiner Name	J. Martin R. Shuhles
Sheet	11	of	11	Attorney Docket Number	GNVPN.019B1USA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS					
Examiners Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
RRS	CV	JAMES M. WILSON et al, "Method for Recombinant Adeno-Associated Virus Directed Gene Therapy", U. S. Patent Application No. 09/237,064, filed January 26, 1999			
	CW	G. GOURAS et al, "Expression of Alzheimer's Disease Associated Genes in vitro and in vivo Using Viral Vectors", Neurobiology of Aging, 17(4):S111 (1996)			
	CX ✓	C. DESURMONT et al, "Complete Atherosclerosis Regression After Human ApoE Gene Transfer in ApoE-deficient/nude Mice", Arterioscler. Thromb. Vasc. Biol., 20(2):435-442 (February, 2000) (PubMed Abstract)			
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RRS	CZ ✓	JAMES M. WILSON et al, "Method for Recombinant Adeno-Associated Virus-Directed Gene Therapy", U. S. Patent Application No. 09/242,977, filed February 26, 1999			

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